

Title (en)
MASS SPECTROMETER AND MASS SPECTROMETRY METHOD

Title (de)
MASSENSPEKTROMETER UND MASSENSPEKTROMETRIEVERFAHREN

Title (fr)
SPECTROMÈTRE DE MASSE ET PROCÉDÉ DE SPECTROMÉTRIE DE MASSE

Publication
EP 3107114 A1 20161221 (EN)

Application
EP 14881512 A 20140210

Priority
JP 2014053015 W 20140210

Abstract (en)
Provided is a mass spectrometer characterized by: an ionization source including an ESI probe (201), an ESI power source (24), a corona needle (202) and an APCI power source (24); an ionization condition storage section (41) for storing a plurality of ionization conditions related to the liquid sample, set by an analysis operator, with the ionization conditions differing from each other in the value of the ESI voltage or/and the value of the APCI voltage; a mass spectrometry executer (43) for conducting a mass spectrometry for an ion generated from the liquid sample using each of the plurality of ionization conditions; and a mass spectrometry result selector (44) for selecting, for each of the one or plurality of components, a mass spectrometry result in which the ion is detected with a suitable level of intensity for an analysis, from the mass spectrometry results respectively obtained for the plurality of ionization conditions.

IPC 8 full level
H01J 49/16 (2006.01); **G01N 30/72** (2006.01); **G01N 30/86** (2006.01); **H01J 49/00** (2006.01); **H01J 49/10** (2006.01)

CPC (source: EP US)
G01N 30/8631 (2013.01 - US); **G01N 30/8651** (2013.01 - US); **H01J 49/0031** (2013.01 - EP US); **H01J 49/107** (2013.01 - EP US); **H01J 49/165** (2013.01 - EP US); **H01J 49/168** (2013.01 - EP US); **H01J 49/24** (2013.01 - US); **H01J 49/4215** (2013.01 - US); **G01N 30/7266** (2013.01 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
US 10121644 B2 20181106; **US 2016329203 A1 20161110**; CN 105981130 A 20160928; CN 105981130 B 20171212; EP 3107114 A1 20161221; EP 3107114 A4 20170222; JP 6107978 B2 20170405; JP WO2015118681 A1 20170323; WO 2015118681 A1 20150813

DOCDB simple family (application)
US 201415110306 A 20140210; CN 201480075187 A 20140210; EP 14881512 A 20140210; JP 2014053015 W 20140210; JP 2015561133 A 20140210